Visible Light 4/17/15

White light is a combination of all colors in the visible light spectrum.



Primary colors: Red, Green, Blue

Secondary Colors: Magenta, Yellow, Cyan

Combining all three primary colors will give you white.

Complementary Colors:

Two colors are complimentary if they form white light when combined.

Examples:

 Magenta and green are complimentary.

 Blue and yellow are complimentary.

Examples of Reflection:

 A piece of white paper under green light would appear to be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

 Answer: Green.

 Mr. Crowder’s cyan colored shirt reflects \_\_\_blue and green \_\_\_\_ and absorbs \_\_\_\_\_red\_\_\_\_\_.

 A piece of paper absorbs magenta, the paper is colored \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

 Answer: green

 A car absorbs red, green, and blue, so the car appears \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

 Answer: black

Whatever color is reflected is what you see.

Whatever color is absorbed is the complementary color.